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1 Beyond standards: reaching usability goals through user participation   ▣
      Ted Wattenberg
      June 2004   **ACM SIGACCESS Accessibility and Computing**, Issue 79
      Publisher: ACM Press
      Full text available: 📄 pdf(100.73 KB)   Additional Information: full citation, abstract, references

      The promise of social inclusion, reinforced by online technologies, has not become the reality for most
      people with disabilities. In 2002, over ten years after the implementation of the Americans with
      Disabilities Act, more people with disabilities are unemployed than at any time in the last thirty years.
      Most online educational environments are still not accessible to students with disabilities or those using
      assistive technologies. While enrollment of people with disabilities in colleges and u ...

      Keywords: ADA, accessibility, americans with disability act, assistive technology, disabled student
      services, learnability, online learning environments, universal design, universal usability

2 Cases and experiences: Lost in translation: a critical analysis of actors, artifacts, agendas, and   ▣
      arenas in participatory design
      Rogério DePaula
      July 2004   **Proceedings of the eighth conference on Participatory design: Artful integration:
                     interweaving media, materials and practices - Volume 1**
      Publisher: ACM Press
      Full text available: 📄 pdf(341.11 KB)   Additional Information: full citation, abstract, references, index terms

      As computer technologies start to permeate the everyday activities of a continuously growing population,
      social and technical as well as political and legal issues will surface. Participatory design is asked to take
      a more critical view of participation, design, technology, and the arenas in which the network of actors
      and artifacts dialectically construct the social orders. This paper has a much more modest aim of that to
      contribute the discussion of participation and design in part by a more i ...

      Keywords: Web2gether, actor-network theory, adoption, arenas for participation, collaboration, legal
      aspects, participatory design, privacy, social networks, special education, translations

3 Formal hardware specification languages for protocol compliance verification   ▣
      Annette Bunker, Ganesh Gopalakrishnan, Sally A. Mckee
      January 2004 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 9 Issue
                    1
      Publisher: ACM Press
      Full text available: 📄 pdf(217.90 KB)   Additional Information: full citation, abstract, references, index terms, review

      The advent of the system-on-chip and intellectual property hardware design paradigms makes protocol
      compliance verification increasingly important to the success of a project. One of the central tools in any
      verification project is the modeling language, and we survey the field of candidate languages for protocol
      compliance verification, limiting our discussion to languages originally intended for hardware and
      software design and verification activities. We frame our comparison by first construc ...

      Keywords: Esterel, Heterogeneous Hardware Logic, Hierarchical Annotated Action Diagrams, Java, Lava,
      Live Sequence Charts, Message Sequence Charts, Objective VHDL, OpenVera, Property Specification
      Language, SpecC, Specification and Description Language, Statecharts, SystemC, SystemVerilog, The
      Unified Modeling Language, e, hardware monitors, timing diagrams

4 Beyond proof-of-compliance: security analysis in trust management
Ninghui Li, John C. Mitchell, William H. Winsborough
May 2005   **Journal of the ACM (JACM)**, Volume 52 Issue 3
Publisher: ACM Press
Full text available: pdf(414.44 KB)   Additional Information: full citation, abstract, references, index terms

> Trust management is a form of distributed access control that allows one principal to delegate some
> access decisions to other principals. While the use of delegation greatly enhances flexibility and
> scalability, it may also reduce the control that a principal has over the resources it owns. Security
> analysis asks whether safety, availability, and other properties can be maintained while delegating to
> partially trusted principals. We show that in contrast to the undecidability of classical Harris ...
>
> **Keywords:** Access control, distributed system security, logic programs, safety analysis, trust
> management

5 Some problems arising out of the cross-disciplinary nature of information systems security
Tung-chien Wang
September 1987 **ACM SIGCPR Computer Personnel**, Volume 11 Issue 2
Publisher: ACM Press
Full text available: pdf(1.06 MB)   Additional Information: full citation, abstract, index terms

> Information Systems Security has recently become an important issue. As this subject crosses three
> main academic fields and professions -- risk management, auditing and information systems -- three
> main kinds of problems arise: organization management problems, education problems, and research
> and development problems. This paper will propose the following:1. A new point in management theory -
> - that risk management departments are the appropriate location for the "information security risk
> manag ...

6 Echo: a practical approach to formal verification
Elisabeth A. Strunk, Xiang Yin, John C. Knight
September 2005 **Proceedings of the 10th international workshop on Formal methods for industrial
critical systems FMICS '05**
Publisher: ACM Press
Full text available: pdf(270.63 KB)   Additional Information: full citation, abstract, references, index terms

> Safe operation is crucial to safety-critical systems, and formal verification of implementations is a
> desirable means to increase confidence in safety. Traditional formal verification approaches follow the
> Floyd-Hoare style, setting up a direct compliance argument between an abstract formal specification and
> a concrete implementation. Such approaches require proofs of large numbers of verification conditions.
> Creation of both the conditions and their proofs can be difficult and time-consuming.In ...
>
> **Keywords:** formal specification, formal verification

7 Discourse: speech, acts and dialogue: Assent and compliance in children's language
comprehension
David R. Olson
July 1978   **Proceedings of the 1978 workshop on Theoretical issues in natural language
processing**
Publisher: Association for Computational Linguistics
Full text available:
pdf(989.23 KB) Publisher Additional Information: full citation, abstract, references
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> It is conventional to treat the meaning of an utterance in a discourse in terms of two components, the
> propositional and the pragmatic or speech act component, the first indicating the meaning of the
> sentence, the second indicating its intended use by the speaker. Some arguments and evidence are
> presented to show that these two systems are interdependent. Roughly, it appears that social
> considerations, primarily status, determine which aspects of a proposition are lexicalized in the utterance.
> T ...

8 Assent and compliance in children's language comprehension
David R. Olson
July 1978   **Proceedings of the theoretical issues in natural language processing-2**
Full text available: pdf(972.56 KB)   Additional Information: full citation, abstract, references, index terms

> It is conventional to treat the meaning of an utterance in a discourse in terms of two components, the
> propositional and the pragmatic or speech act component, the first indicating the meaning of the
> sentence, the second indicating its intended use by the speaker. Some arguments and evidence are
> presented to show that these two systems are interdependent. Roughly, it appears that social
> considerations, primarily status, determine which aspects of a proposition are lexicalized in the utteran ...

9   Deontic logic: Logic-based regulation compliance-assistance

Shawn Kerrigan, Kincho H. Law

June 2003   **Proceedings of the 9th international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available: pdf(439.79 KB)   Additional Information: full citation, abstract, references, index terms

This paper focuses on the creation of a first order predicate calculus based regulation compliance-assistance system built upon an XML framework. Two areas of research that support the development of the compliance assistance system are discussed. The first is a document repository containing federal and state regulations and supplemental documents. The second is an XML framework for representing regulations and associated metadata. The prototype effort for the regulation assistance system has b ...

Keywords: compliance assistance, legal informatics, regulations

10   Doctoral symposia: A compliance notation for verifying concurrent systems

D. M. Atiya, S. King

May 2002   **Proceedings of the 24th International Conference on Software Engineering**

Publisher: ACM Press

Full text available: pdf(222.21 KB)   Additional Information: full citation, abstract, references, index terms

The compliance notation provides a practical system where both formal and informal techniques can be employed in software verification. The notation has been successfully applied in verifying some industrial safety-critical systems, but currently it has no support for verifying concurrent systems. This research aims to extend the compliance notation with appropriate support for verifying concurrent systems.

11   System design verification: On compliance test of on-chip bus for SOC

Hue-Min Lin, Chia-Chih Yen, Che-Hua Shih, Jing-Yang Jou

January 2004   **Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04 , Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04**

Publisher: IEEE Press , IEEE Press

Full text available:

pdf(172.38 KB) Publisher Additional Information: full citation, abstract, references
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In this paper, we employ a monitor-based approach for on-chip bus (OCB) compliance test. To describe the OCB protocols, we propose a FSM model, which can help to extract the necessary properties systematically and verify the data part of a bus transfer efficiently. To demonstrate our methodology, we illustrate two OCB protocols, WISHBONE and AMBA AHB, as the study cases. The experimental results show that we can verify the OCB protocols efficiently and detect the design errors when tests fail.

12   E-government services and policy track: An e-government information architecture for regulation analysis and compliance assistance

Gloria T. Lau, Shawn Kerrigan, Kincho H. Law, Gio Wiederhold

March 2004   **Proceedings of the 6th international conference on Electronic commerce ICEC '04**

Publisher: ACM Press

Full text available: pdf(510.70 KB)   Additional Information: full citation, abstract, references, citings, index terms

The complexity and diversity of government regulations make understanding the regulations a non-trivial task. One of the issues is the existence of multiple sources of regulations and interpretive guides. In this work, we propose an information infrastructure for regulation analysis, which includes a document repository and tools for compliance assistance and similarity analysis. A regulatory repository is developed based on an XML format, and important features, such as concepts and measurement ...

Keywords: compliance check, e-government, e-rulemaking, legal informatics, shallow parsing, similarity analysis, text mining

13   Posters: norms, social laws and social structures: Norm compliance of protocols in electronic institutions

Huib Aldewereld, Javier Vazquez-Salceda, Frank Dignum, John-Jules Ch. Meyer

July 2005   **Proceedings of the fourth international joint conference on Autonomous agents and multiagent systems AAMAS '05**

Publisher: ACM Press

Full text available: pdf(240.85 KB)   Additional Information: full citation, abstract, references, index terms

There is a wide agreement on the use of norms in order to specify the expected behaviour of agents in open MAS. However, in highly regulated domains, where norms dictate what can and cannot be done, it

can be hard to determine whether a desired goal can actually be achieved without violating the norms. To help the agents in this process, agents can make use of predefined (knowledge-based) protocols, which are designed to help reach a goal without violating any of the norms. But how can we guaran ...

Keywords: formal logic, normative systems, protocol verification

14   Innovation, management & strategy: Tracking privacy compliance in B2B networks
Liam Peyton, Max Nozin
March 2004   **Proceedings of the 6th international conference on Electronic commerce ICEC '04**
Publisher: ACM Press
Full text available: pdf(114.57 KB)   Additional Information: full citation, abstract, references, index terms

Governments are now enacting comprehensive legislation that regulates how organizations collect and protect sensitive data about individuals. Typically, such legislation has focused on the relationship between consumer and business to ensure proper consent is obtained, procedures exist to safeguard data, and the consumer has recourse to challenge the business. In practice, such legislation places the entire administrative burden of tracking compliance on both the consumer and the business. More ...

Keywords: compliance, electronic commerce, information transfer registry, legislation, privacy, standards

15   A resource allocator model using simulated taxpayer's behaviour towards compliance with the tax laws
Jeffrey G. Williams, Sukomal Bose
March 1979   **Proceedings of the 12th annual symposium on Simulation**
Publisher: IEEE Press
Full text available: pdf(561.33 KB)   Additional Information: full citation, abstract, index terms

A computer simulation was developed to test the dollar effects on a tax collection agency of operating with less than the desired number of staff and the effects on goal achievement of allocating the scarce staff resources to the various tasks in different ways. This generalized model, called the resource allocator, does not provide the optimal solution to the problem of resource allocation, but rather allows the user to see the effect of his proposed solution on the achievement of his goal ...

16   Research contributions: Facilitating localized exploitation and enterprise-wide integration in the use of IT infrastructures: the role of PC/LAN infrastructure standards
Timothy R. Kayworth, V. Sambamurthy
September 2000 **ACM SIGMIS Database**, Volume 31 Issue 4
Publisher: ACM Press
Full text available: pdf(2.61 MB)   Additional Information: full citation, abstract, references, index terms

Two often-contradictory dilemmas confront firms in their efforts at promoting IT-based innovation: facilitate localized exploitation of the IT infrastructure within individual business units, but also ensure enterprise-wide integration of IT innovation initiatives to facilitate business applications that exploit inter-unit synergies. Therefore, developing an IT infrastructure that is conducive to both localized exploitation and enterprise-wide integration is important. In this context, IT infras ...

Keywords: IS implementation, case study, management information systems, organizational structure, strategic issues

17   A seven-step model for achieving year 2000 compliance
Jeffrey Sponaugle
October 1998 **Proceedings of the 26th annual ACM SIGUCCS conference on User services**
Publisher: ACM Press
Full text available: pdf(477.55 KB)   Additional Information: full citation, index terms

18   Using compliance notation to verify Ada tasking
D. J. Tombs
October 1997   **ACM SIGAda Ada Letters , Proceedings of the eighth international workshop on Real-Time Ada IRTAW '97**, Volume XVII Issue 5
Publisher: ACM Press
Full text available: pdf(439.49 KB)   Additional Information: full citation, abstract, references, index terms

Tasking is the most important-aspect of Ada not addressed by existing verification systems. The DRA Compliance Notation allows a subset of Ada to be embedded in a engine supported by Z. We propose incorporating a reduced tasking model into the Notation.

Keywords: Ada95, safety-critical software, tasking

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19 E-marketing & e-businesses: Online trust forming mechanism: approaches and an integrated model

Xianfeng Zhang, Qin Zhang
August 2005   **Proceedings of the 7th international conference on Electronic commerce ICEC '05**
Publisher: ACM Press
Full text available: pdf(373.13 KB)   Additional Information: full citation, abstract, references, index terms

Based on theories of SET, ECT, TRA, TPB, TAM, and abundant review of literature regarding online trust, the paper discusses online trust forming mechanism: the varied approaches and an integrated model. For the sake of the basic trust construct resulted through combining Mcknight et al. trust construct with theoretic expansion, and the three approaches of online trust forming - cycle approach, stage development approach, and factor approach - forwarded by prior researchers, the final model highl ...

Keywords: Internet, electronic commerce, forming mechanism, model, online trust, trust

---

20 Short papers: Mining rule semantics to understand legislative compliance

Travis D. Breaux, Annie I. Antón
November 2005 **Proceedings of the 2005 ACM workshop on Privacy in the electronic society WPES '05**
Publisher: ACM Press
Full text available: pdf(217.79 KB)   Additional Information: full citation, abstract, references, index terms

Organizations in privacy-regulated industries (e.g. healthcare and financial institutions) face significant challenges when developing policies and systems that are properly aligned with relevant privacy legislation. We analyze privacy regulations derived from the Health Insurance Portability and Accountability Act (HIPAA) that affect information sharing practices and consumer privacy in healthcare systems. Our analysis shows specific natural language semantics that formally characterize rights, ...

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61 Cost profile of a highly assured, secure operating system   ▭
◈ Richard E. Smith
    February 2001 **ACM Transactions on Information and System Security (TISSEC)**, Volume 4 Issue 1
    Publisher: ACM Press
    Full text available: 📄 pdf(165.98 KB)   Additional Information: full citation, abstract, references, citings, index terms

    The Logical Coprocessing Kernel (LOCK) began as a research project to stretch the state of the art in
    secure computing by trying to meet or even exceed the "A1" requirements of the Trusted Computer
    System Evaluation Criteria (TCSEC). Over the span os seven years, the project was transformed into an
    effort to develop and deploy a product: the Standard Mail Guard (SMG). Since the project took place
    under a US government contract, the development team needed to maintain detailed re ...

    Keywords: LOCK (Logical Coprocessing Kernel), security kernels

62 Short papers 2: Compositional reasoning for port-based distributed systems   ▭
◈ Alma L. Juarez Dominguez, Nancy A. Day
    November 2005 **Proceedings of the 20th IEEE/ACM international Conference on Automated software
                  engineering ASE '05**
    Publisher: ACM Press
    Full text available: 📄 pdf(205.53 KB)   Additional Information: full citation, abstract, references, index terms

    Many distributed systems using IP-based communication protocols consist of chains of components that
    run concurrently and communicate asynchronously with their neighbours through ports. We present a
    compositional reasoning method using model checking and theorem proving to verify liveness properties
    of a communication protocol for chains of connections consisting of an unknown number of components.
    We outline how our method is used to verify properties of the call protocol of AT&T's Distributed ...

    Keywords: DFC, compositional verification, model checking, theorem proving

63 Data base directions: the next steps   ▭
◈ John L. Berg
    November 1976 **ACM SIGMOD Record , ACM SIGMIS Database**, Volume 8 , 8 Issue 4 , 2
    Publisher: ACM Press
    Full text available: 📄 pdf(9.95 MB)   Additional Information: full citation, abstract

    What information about data base technology does a manager need to make prudent decisions about
    using this new technology? To provide this information the National Bureau of Standards and the
    Association for Computing Machinery established a workshop of approximately 80 experts in five major
    subject areas. The five subject areas were auditing, evolving technology, government regulations,
    standards, and user experience. Each area prepared a report contained in these proceedings. The
    proceedings p ...

    Keywords: DBMS, auditing, cost/benefit analysis, data base, data base management, government
    regulation, management objectives, privacy, security, standards, technology assessment, user
    experience

64 The software development plan: a key to achieve SEI capability maturity model compliance   ▭
◈ Charles R. Snyder
    July 1992   **Proceedings of the ninth Washington Ada symposium on Ada: Empowering software**

users and developers
Publisher: ACM Press
Full text available: pdf(631.48 KB)   Additional Information: full citation, references

65 Phased inspections and their implementation
John C. Knight, E. Ann Myers
July 1991 **ACM SIGSOFT Software Engineering Notes**, Volume 16 Issue 3
Publisher: ACM Press
Full text available: pdf(668.07 KB)   Additional Information: full citation, citings, index terms

66 The client's side of the World-Wide Web
Hal Berghel
January 1996 **Communications of the ACM**, Volume 39 Issue 1
Publisher: ACM Press
Full text available: pdf(444.33 KB)   Additional Information: full citation, references, citings, index terms

67 Medical applications: Supporting informality: team working and integrated care records
Gillian Hardstone, Mark Hartswood, Rob Procter, Roger Slack, Alex Voss, Gwyneth Rees
November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperative work**
Publisher: ACM Press
Full text available: pdf(289.85 KB)   Additional Information: full citation, abstract, references, index terms

This paper reports findings from an ethnographic study of the work of Adult and Care of the Elderly
Community Mental Health Teams in the context of the deployment of an Electronic Medical Record. Our
findings highlight the importance of informal discussions and provisional judgments as part of the process
by which teams achieve consensual clinical management decisions over time. We show how paper-based
documentation supports this collaborative work by affording both the revision of preliminar ...

Keywords: affordances of raper/computer records, ethnography, informality, integrated care records,
teamwork

68 Modeling II: Estimating depth from line drawing
P. A. C. Varley, R. R. Martin
June 2002   **Proceedings of the seventh ACM symposium on Solid modeling and applications**
Publisher: ACM Press
Full text available: pdf(276.01 KB)   Additional Information: full citation, abstract, references, index terms

Our goal is unassisted machine interpretation of a single line drawing of an engineering object (with
hidden lines removed) as a B-rep model. As part of this process, we seek to deduce a frontal geometry of
the object, a 3D geometric realisation of that part of the object visible in the drawing. Inflation takes a
drawing in which all lines have been line-labelled, and creates the frontal geometry by adding a z-
coordinate to the x- and y-coordinates of each junction. This dep ...

Keywords: B-rep models, sketch input

69 Designing government agents for constitutional compliance
Carey Heckman, Alex Roetter
April 1999 **Proceedings of the third annual conference on Autonomous Agents**
Publisher: ACM Press
Full text available: pdf(1.07 MB)   Additional Information: full citation, references, citings, index terms

70 KM-4 (knowledge management): distributed knowledge management: Towards smarter documents
Vikas Krishna, Prasad M. Deshpande, Savitha Srinivasan
November 2004 **Proceedings of the thirteenth ACM international conference on Information and
knowledge management CIKM '04**
Publisher: ACM Press
Full text available: pdf(224.70 KB)   Additional Information: full citation, abstract, references, index terms

Document analysis research typically focuses on document image understanding or classic problems in
text classification, clustering, summarization and discovery. While that is an important aspect of
document management, in practice, documents lifecycles are often determined by the context of the

business process that they are relevant to. It therefore becomes necessary for the document analysis techniques to recognize and leverage the contextual information provided by a supporting schema and ...

Keywords: classification, content, processes, workflow

71 Multi-component contingent auction (MCCA): a procurement mechanism for dynamic formation of supply networks
Jin Baek Kim, Arie Segev
September 2003 **Proceedings of the 5th international conference on Electronic commerce ICEC '03**
Publisher: ACM Press
Full text available: pdf(248.35 KB)   Additional Information: full citation, abstract, references

In this paper, we propose a procurement mechanism for selecting optimal supplier combination when the suppliers have interoperability and cost dependency issue. The proposed mechanism, named Multi-Component Contingent Auction(MCCA), guarantees that the outcome is the combination of the suppliers with the minimum total cost who can work together. The core of the MCCA is a special form of bid: contingent bid. Contingent bids provide the suppliers with a way to express incompatibility and cost depe ...

Keywords: algorithm, combinatorial auction, compatibility, cost dependency, procurement, winner determination

72 The influence of persuasion, training and experience on user perceptions and acceptance of IT innovation
Weidong Xia, Gwanhoo Lee
December 2000 **Proceedings of the twenty first international conference on Information systems**
Publisher: Association for Information Systems
Full text available: pdf(142.13 KB)   Additional Information: full citation, references, citings, index terms

73 Engineering guidelines: Web composition with WCAG in mind
Vicente Luque Centeno, Carlos Delgado Kloos, Martin Gaedke, Martin Nussbaumer
May 2005   **Proceedings of the 2005 International Cross-Disciplinary Workshop on Web Accessibility (W4A) W4A '05**
Publisher: ACM Press
Full text available: pdf(271.33 KB)   Additional Information: full citation, abstract, references

Accessibility should be a part of the Web design process instead of being a *post-design* repair process. Thus, it should be more integrated within the internal authoring tools' mechanism of generating new accessible Web contents. Web pages are usually composed of small pieces of HTML code which, dynamically nested and combined, generate full Web pages. This Web composition, specially when creating Web pages from data extracted from heterogeneous or external sources, should have accessibili ...

Keywords: WAI, WCAG, web composition

74 Systems and architectures: A DRM security architecture for home networks
Bogdan C. Popescu, Bruno Crispo, Andrew S. Tanenbaum, Frank L.A.J. Kamperman
October 2004 **Proceedings of the 4th ACM workshop on Digital rights management**
Publisher: ACM Press
Full text available: pdf(222.46 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes a security architecture allowing digital rights management in home networks consisting of consumer electronic devices. The idea is to allow devices to establish dynamic groups, so called "Authorized Domains", where legally acquired copyrighted content can seamlessly move from device to device. This greatly improves the end-user experience, preserves "fair use" expectations, and enables the development of new business models by content providers. Key to our design is a hyb ...

Keywords: DRM architectures, compliant CE devices, digital content protection

75 Composable code generation for distributed giotto
Thomas A. Henzinger, Christoph M. Kirsch, Slobodan Matic
June 2005   **ACM SIGPLAN Notices , Proceedings of the 2005 ACM SIGPLAN/SIGBED conference on Languages, compilers, and tools for embedded systems LCTES'05**, Volume 40 Issue 7
Publisher: ACM Press

Full text available: pdf(294.16 KB)   Additional Information: full citation, abstract, references, index terms

We present a compositional approach to the implementation of hard real-time software running on a distributed platform. We explain how several code suppliers, coordinated by a system integrator, can independently generate different parts of the distributed software. The task structure, interaction, and timing is specified as a Giotto program. Each supplier is given a part of the Giotto program and a timing interface, from which the supplier generates task and scheduling code. The integrator then ...

Keywords: distributed compilation, real time

76 Supporting activities: Roles and relationships for unified activity management
Beverly L. Harrison, Alex Cozzi, Thomas P. Moran
November 2005 **Proceedings of the 2005 international ACM SIGGROUP conference on Supporting group work GROUP '05**
Publisher: ACM Press
Full text available: pdf(216.62 KB)   Additional Information: full citation, abstract, references, index terms

This paper reports on three ethnographic studies of how people coordinate their activities in various work settings. The findings reported here are a derived set of relationships reflecting the nature of involvement of people in their activities. These findings were then tested by six analysts, who were conducting field studies of patterns of complex business activities. They used the derived relationships in the analysis of their data and in the representation of activity patterns. These usage ...

Keywords: activity management, design, ethnographic study, prototyping, task management, to-do lists, user evaluation

77 Rethinking the design of the Internet: the end-to-end arguments vs. the brave new world
Marjory S. Blumenthal, David D. Clark
August 2001 **ACM Transactions on Internet Technology (TOIT)**, Volume 1 Issue 1
Publisher: ACM Press
Full text available: pdf(176.33 KB)   Additional Information: full citation, abstract, references, citings, index terms

This article looks at the Internet and the changing set of requirements for the Internet as it becomes more commercial, more oriented toward the consumer, and used for a wider set of purposes. We discuss a set of principles that have guided the design of the Internet, called the end-to-end arguments, and we conclude that there is a risk that the range of new requirements now emerging could have the consequence of compromising the Internet's original design principles. Were ...

Keywords: ISP, Internet, end-to-end argument

78 Assessing the usability of a user interface standard
Henrik Thovtrup, Jakob Nielsen
March 1991 **Proceedings of the SIGCHI conference on Human factors in computing systems: Reaching through technology**
Publisher: ACM Press
Full text available: pdf(849.42 KB)   Additional Information: full citation, references, citings, index terms

79 Design verification and simulation: Improving simulation-based verification by means of formal methods
Görschwin Fey, Rolf Drechsler
January 2004 **Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04 , Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04**
Publisher: IEEE Press , IEEE Press
Full text available:
pdf(158.81 KB) Publisher Additional Information: full citation, abstract, references
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The design of complex systems is largely ruled by the time needed for verification. Even though formal methods can provide higher reliability, in practice often simulation based verification is used. Large testbenches are created and if the design produces the correct output for all stimuli it is said to be correct. But there is no guarantee that the testbench is complete in the sense that it contains test-cases for all "important" situations.We opose an approach to detect "gaps" in testbenches, ...

80 Satchel: providing access to any document, any time, anywhere
Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury

September 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 3
Publisher: ACM Press
Full text available: pdf(591.29 KB)   Additional Information: full citation, abstract, references, citings, index terms

Current solutions for providing access to electronic documents while away from the office do not meet the special needs of mobile document workers. We describe "Satchel," a system that is designed specifically to support the distinctive features of mobile document work. Satchel is designed to meet the following five high-level design goals (1) easy access to document services; (2) timely document access; (3) streamlined user interface; (4) ubiquity; and (5)compliance with securi ...

Keywords: document access, document appliance, document processing, information appliance, mobile computing, mobile work

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☐	L33	((Individual adj Education adj Plan) or IEP)	5423
☐	L32	L30 and ((Individual adj Education adj Plan) or IEP)	3
☐	L31	L30 and L25	15
☐	L30	(complian$ near10 requir$) same (form$ or field$1)	2203
☐	L29	(track$ near2 information) same(complian$ near10 requir$) same (form$ or field$1)	0
☐	L28	(track$ near2 information) with (complian$ near10 requir$) with (form$ or field$1)	0
☐	L27	L25 and L12	5
☐	L26	L25 and L8	2
☐	L25	(educat$ near2 requir$)	891
☐	L24	L13 and (educat$ near2 requir$)	1
☐	L23	L4 and (Education adj Act)	1
☐	L22	L13 and (complian$ with form$1)	6
☐	L21	L13 and (complian$ wit form$1)	75
☐	L20	L13 and (comlian$ near2 rule$1)	0
☐	L19	(comlian$ near2 rule$1) same (automat$ near10 forms)	0
☐	L18	(comlian$ near2 rule$1) same (paperwork adj burden)	0
☐	L17	(paperwork near2 (generat$ or creat$)) same educat$	2
☐	L16	(compliance adj officer$1) same (paperwork near2 (generat$ or creat$)) same educat$	1
☐	L15	L12 and L8	6
☐	L14	L13 and (assign$ with prior$ with (field$ or record$))	3
☐	L13	L12 and (automat$ with (populat$ or generat$) near5 (field$ or record$))	79

☐	L12	((identif$ or determin$) near2 data) with (database or reposit$) with (field$ or record$ or row$)	2008
☐	L11	L4 and (disabilit$ near2 educat$)	1
☐	L10	L8 and (educat$ near2 requir$)	2
☐	L9	L8 and L4	1
☐	L8	(automat$ near3 forms) with complian$	32
☐	L7	(form$ near5 complian$) same (education near2 requir$)	0
☐	L6	(form$ near5 complian$) with (education near2 requir$)	0
☐	L5	L4 and (prior$ with (field$ or record$ or row$1))	9
☐	L4	(interact$ near2 assistan$) same (field$ or form$)	96

DB=PGPB,USPT; PLUR=YES; OP=OR

☐	L3	US-5813863-$.DID. OR US-6075968-$.DID. OR US-5788508-$.DID. OR US-6464505-$.DID. OR US-6064856-$.DID. OR US-6482012-$.DID.	6

DB=USPT; PLUR=YES; OP=OR

☐	L2	(5813863 or 6075968).pn.	2

DB=PGPB; PLUR=YES; OP=OR

☐	L1	(5813863 or 6075968).pn.	0

END OF SEARCH HISTORY